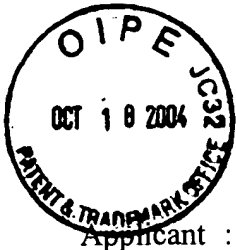


IFW

Attorney's Docket No.: 16459-008001



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Alexei A. Erchak

Art Unit : 2875

Serial No. : 10/724,033

Examiner : Unknown

Filed : November 26, 2003

Title : LIGHT-EMITTING DIODE UTILIZING A PHYSICAL PATTERN

**Mail Stop Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449. Applicants also bring to the Examiner's attention the below listed 14 pending U.S. utility patent applications that are owned by the Assignee of the above-noted patent application.

Document Number	Patentee	Filing Date
10/723,987	Alexei A. Erchak	11/26/03
10/724,004	Alexei A. Erchak et al.	11/26/03
10/724,006	Alexei A. Erchak	11/26/03
10/724,029	Alexei A. Erchak	11/26/03
10/724,015	Alexei A. Erchak	11/26/03
10/724,005	Alexei A. Erchak	11/26/03
10/735,498	Alexei A. Erchak	12/12/03
10/794,244	Alexei A. Erchak	3/5/04
10/794,452	Alexei A. Erchak	3/5/04
10/872,335	Alexei A. Erchak et al.	6/18/04
10/896,606	Alexei A. Erchak et al.	7/22/04
10/871,877	Alexei A. Erchak et al.	6/18/04
10/872,336	Alexei A. Erchak et al.	6/18/04
10/896,435	Alexei A. Erchak et al.	7/22/04

This statement is being filed before the receipt of a first Office Action on the merits.

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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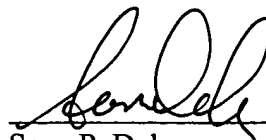
Applicant : Alexei A. Erchak  
Serial No. : 10/724,033  
Filed : November 26, 2003  
Page : 2 of 2

Attorney's Docket No.: 16459-008001

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Respectfully submitted,

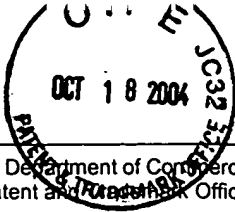
Date: 10/15/04



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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16459-008001	Application No. 10/724,033
		Applicant Alexei A. Erchak	
		Filing Date November 26, 2003	Group Art Unit 2875

**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

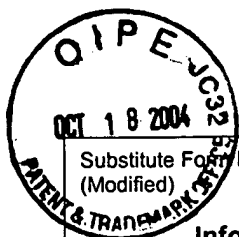
U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2003/0141507	07/31/03	Krames et al.			
	AB	5,073,041	12/17/1991	Rastani			11/13/90
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	AD	5,363,009	11/8/1994	Monto			08/10/92
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	AI	5,793,062	08/11/98	Kish et al.			
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	AO	6,410,942	06/25/02	Thibeault et al.			
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	AQ	6,469,324	10/22/02	Wang, Tien Yang			
	AR	6,559,075	05/06/03	Kelly et al.			
	AS	6,657,236	12/02/03	Thibeault et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AT	WO 98/14986	04/09/98	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AU	W.S. Wong et al. "Damage-free separation of GaN thin films from sapphire substrates", Appl. Phys. Lett. 72 (5), February 2, 1998, pages 599-601

Examiner Signature	Date Considered
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16459-008001	Application No. 10/724,033
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Alexei A. Erchak	
		Filing Date November 26, 2003	Group Art Unit 2875

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AV	M.K. Kelly et al. "Optical process for liftoff of Group III-nitride films", Physica Status Solidi; Rapid Research Note, November 28, 1996, 2 pages.
	AW	A. A. Erchak et al. "Enhanced coupling to vertical radiation using a two-dimensional photonic crystal in a semiconductor light-emitting diode", Appl. Phys. Lett. (78 (5), January 29, 2001, pages 563-565
	AX	P.L. Gourley et al. "Optical properties of two-dimensional photonic lattices fabricated as honeycomb nanostructures in compound semiconductors", Appl. Phys. Lett. 64(6), February 7, 1994, pages 687-689
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	AGG	M. Rattier et al. "Omnidirectional and compact guided light extraction from Archimedean photonic lattices", Appl. Phys. Lett. 83 (7), August 18, 2003, pages 1283-1285
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	AII	I. Schnitzer et al. "30% external quantum efficiency from surface textured, thin-film light-emitting diodes", Appl. Phys. Lett. 63 (18), October 18, 1993, pages 2174-2176
	AJJ	M. Boroditsky et al. "Light extraction from optically pumped light-emitting diode by thin-slab photonic crystals", Appl. Phys. Lett. 75 (8), August 23, 1999, pages 1036-1038
	AKK	L. Chen et al. "Fabrication of 50-100 nm Patterned InGaN Blue Light Emitting Heterostructures", Phys. Stat. Sol. (a), 188 (1), 2001, pages 135-138.
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	ANN	M.K. Kelly et al. "Optical patterning of GaN films", Appl. Phys. Lett 68 (12), September 16, 1996, pages 1749-1751

Examiner Signature	Date Considered
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